

STN Search Summary

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FILE 'CAPLUS' ENTERED AT 14:48:04 ON 11 SEP 2003

L1 2251 S SIGMA (W) FACTOR
 L2 243 S L1 AND REVIEW/DT
 L3 0 S L2 AND (CORYNE? OR BREVIBACTERI?)
 L4 120 S L2 AND BACTERI?
 L5 5707 S SIGC OR SIGD OR SIGE OR SIGM
 L6 1 S L4 AND L5
 L7 77 S L1 AND L5
 L8 4 S L7 AND (CORYNE? OR BREVIBACTER?)
 L9 7881 S L5 OR L1
 L10 19 S L9 AND (CORYNE? OR BREVIBACT?)
 L11 15 S L10 NOT L8

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:172101 CAPLUS
 TI Sequence of sigM gene from corynebacteria and use
 thereof in synthesis of L-lysine
 IN Bathe, Brigitte; Bastuck, Christine; Farwick, Mike; Hermann, Thomas;
 Pfefferle, Walter
 PA Degussa Ag, Germany
 SO PCT Int. Appl., 42 pp.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|------------------|----------|
| PI | WO 2002018599 | A1 | 20020307 | WO 2001-EP9972 | 20010830 |
| | DE 10136984 | A1 | 20020418 | DE 2001-10136984 | 20010728 |
| | AU 2001089850 | A5 | 20020313 | AU 2001-89850 | 20010830 |
| | US 2002106755 | A1 | 20020808 | US 2001-942935 | 20010831 |
| PRAI | DE 2000-10043337 | A | 20000902 | | |
| | DE 2001-10136984 | A | 20010728 | | |
| | WO 2001-EP9972 | W | 20010830 | | |

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:172091 CAPLUS
 TI Sequence of sigC gene from corynebacteria and use
 thereof in synthesis of L-lysine
 IN Bathe, Brigitte; Hans, Stephan; Farwick, Mike; Hermann, Thomas; Pfefferle,
 Walter
 PA Degussa Ag, Germany
 SO PCT Int. Appl., 40 pp.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|------------------|----------|
| PI | WO 2002018589 | A2 | 20020307 | WO 2001-EP9163 | 20010808 |
| | DE 10133426 | A1 | 20020314 | DE 2001-10133426 | 20010710 |
| | AU 2001093740 | A5 | 20020313 | AU 2001-93740 | 20010808 |
| | EP 1320543 | A2 | 20030625 | EP 2001-974138 | 20010808 |
| | US 2002146782 | A1 | 20021010 | US 2001-941936 | 20010830 |
| PRAI | DE 2000-10043332 | A | 20000902 | | |
| | DE 2001-10133426 | A | 20010710 | | |
| | WO 2001-EP9163 | W | 20010808 | | |

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:171940 CAPLUS
 TI Sequence of sigE gene from corynebacteria and use thereof in synthesis of L-lysine
 IN Moeckel, Bettina; Hermann, Thomas; Farwick, Mike; Binder, Michael; Pfefferle, Walter
 PA Degussa Ag, Germany
 SO PCT Int. Appl., 45 pp.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|------------------|----------|
| PI | WO 2002018428 | A2 | 20020307 | WO 2001-EP8146 | 20010714 |
| | WO 2002018428 | A3 | 20020606 | | |
| | DE 10126422 | A1 | 20020314 | DE 2001-10126422 | 20010531 |
| | AU 2001085843 | A5 | 20020313 | AU 2001-85843 | 20010714 |
| | EP 1320616 | A2 | 20030625 | EP 2001-965132 | 20010714 |
| | US 2002103356 | A1 | 20020801 | US 2001-935757 | 20010824 |
| PRAI | DE 2000-10043336 | A | 20000902 | | |
| | DE 2001-10126422 | A | 20010531 | | |
| | US 2001-295009P | P | 20010604 | | |
| | WO 2001-EP8146 | W | 20010714 | | |

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1999:251845 CAPLUS
 TI Structure and organization of the rrnD operon of "Brevibacterium lactofermentum": analysis of the 16S rRNA gene
 AU Amador, Eladio; Castro, Jose M.; Correia, Antonio; Martin, Juan F.
 SO Microbiology (Reading, United Kingdom) (1999), 145(4), 915-924

L11 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:673430 CAPLUS
 TI Promoters of Corynebacterium glutamicum
 AU Patek, Miroslav; Nesvera, Jan; Guyonvarch, Armel; Reyes, Oscar; Leblon, Gerard
 SO Journal of Biotechnology (2003), 104(1-3), 311-323

L11 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:586275 CAPLUS
 TI Cloning, characterisation and phylogenetic analysis of the sigA .sigma.70 factor gene sequence from the actinomycete Frankia
 AU Blaha, D.; Cournoyer, B.
 SO Plant and Soil (2003), 254(1), 97-106

L11 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:511487 CAPLUS
 TI Use of sigA gene variants of Corynebacterium glutamicum for improved yields of lysine in fermentation
 IN Bathe, Brigitte; Hans, Stephan; Kreutzer, Caroline; Pfefferle, Walter
 PA Degussa Ag, Germany
 SO PCT Int. Appl., 49 pp.

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|------------------|----------|
| PI | WO 2003054179 | A1 | 20030703 | WO 2002-EP11561 | 20021016 |
| | DE 10162729 | A1 | 20030703 | DE 2001-10162729 | 20011220 |
| PRAI | DE 2001-10162729 | A | 20011220 | | |

L11 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:839270 CAPLUS
 TI The Brevibacterium flavum sigma factor SigB/
 has a role in the environmental stress response
 AU Halgasova, Nora; Bukovska, Gabriela; Ugorcakova, Jana; Timko, Jozef;
 Kormanec, Jan
 SO FEMS Microbiology Letters (2002), 216(1), 77-84

L11 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:663152 CAPLUS
 TI Cloning and transcription characterization of two sigma
 factor genes, sigA and sigB, from Brevibacterium flavum
 AU Halgasova, Nora; Bukovska, Gabriela; Timko, Jozef; Kormanec, Jan
 SO Current Microbiology (2001), 43(4), 249-254
 Oct

L11 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:64126 CAPLUS
 TI Stationary-phase related .sigma. factor (katF gene),
 defect in microorganism for enhanced L-amino acid production
 IN Kimura, Eiichiro; Ito, Hisao; Kurahashi, Osamu
 PA Ajinomoto Co., Inc., Japan
 SO PCT Int. Appl., 21 pp.
 LA Japanese

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| | ----- | --- | ----- | ----- | ----- |
| PI | WO 2001005939 | A1 | 20010125 | WO 2000-JP4775 | 20000714 |
| | JP 2003204788 | A2 | 20030722 | JP 1999-205269 | 19990719 |
| PRAI | JP 1999-205269 | A | 19990719 | | |

L11 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1997:511416 CAPLUS
 TI Transcriptional analysis of the sigA and sigB genes of
 Brevibacterium lactofermentum
 AU Oguiza, Jose A.; Marcos, Ana T.; Martin, Juan F.
 SO FEMS Microbiology Letters (1997), 153(1), 111-117

L11 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1996:36160 CAPLUS
 TI Multiple sigma factor genes in Brevibacterium
 lactofermentum: characterization of sigA and sigB
 AU Oguiza, Jose A.; Marcos, Ana T.; Malumbres, Marcos; Martin, Juan F.
 SO Journal of Bacteriology (1996), 178(2), 550-53

L11 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1995:978371 CAPLUS
 TI Genomic organization of the mycobacterial sigma gene cluster
 AU Doukhan, Laurence; Predich, Mima; Nair, Gopalan; Dussurget, Olivier;
 Mandic-Mulec, Ines; Cole, Stewart T.; Smith, Douglas R.; Smith, Issar
 SO Gene (1995), 165(1), 67-70

WEST Search History

DATE: Thursday, September 11, 2003

| <u>Set Name</u> side by side | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> result set |
|---|--|------------------|-------------------------------|
| <i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i> | | | |
| L11 | L10 saME (sigma adj factor) | 14 | L11 |
| L10 | (coryneform or corynebacterium or glutamicum) | 11971 | L10 |
| L9 | 17 and (coryneform or corynebacterium or glutamicum) | 66 | L9 |
| L8 | L6 same bacteri\$ | 192 | L8 |
| L7 | L6 and bacteri\$ | 323 | L7 |
| L6 | sigma adj factor | 362 | L6 |
| L5 | L3 and bacteri\$ | 5 | L5 |
| L4 | L3 and (coryneform or corynebacterium or glutamicum) | 2 | L4 |
| L3 | L2 or 11 | 293 | L3 |
| L2 | sigma adj factor adj c | 2 | L2 |
| L1 | sigc | 293 | L1 |

END OF SEARCH HISTORY